

REMARKS

After entry of this amendment, claims 1-7, 9-21, 23-24, and 27-30 are pending in the application. Claims 8, 22, 25, and 26 have been cancelled without prejudice. The Examiner indicated that claims 1-7, 9-21, 23-24, and 27-30 would be allowable if rewritten or amended to overcome the rejections under 35 U.S.C. §112, 1st and 2nd ¶. Claims 1, 10, 19, and 29 have been herein amended to more particularly point out and distinctly claim the subject matter corresponding to the invention. Reconsideration of the application is respectfully requested.

Claims 1-7, 9-21, 23-24, and 27-30 stand rejected under 35 U.S.C. § 112, 1st ¶, as failing to comply with the enablement requirement. The Examiner contends that the claims include a limitation that “the control program configured to calculate a pressure in the at least one fluid chamber required to move the piston a selected distance ... in response to pressure measured by the at least one pressure sensor and in response to position measured by the at least one position sensor” (claim 1, lines 20-23) and similar (claim 8 [sic?:10], lines 20-24; claim 19, lines 18-21). The Examiner states that Figure 2 shows step 104 calculates pressure based on desired movement; which does not include use of the pressure from the pressure sensor. It is submitted that the claims have been carefully reviewed and amended to more particularly point out and distinctly claim the subject matter that applicant regards as the invention. In particular, the Examiner’s attention is directed to ¶s [0005], [0023], and [0036], where it is described that a control program is operably connected to the at least two valves, and the at least one pressure sensor, and the at least one position sensor for controlling actuation of the at least two valves in response to pressure measured by the at least one pressure sensor and location measured by the at least one position sensor. In ¶ [0015], it is described that in the illustrated embodiment, by way of example and not limitation, three variables are monitored; two pressure sensors (one for each chamber), and one position sensor for setting a known home position for the subsequent calculations. The pressure calculation is made based on a known current position (either a known sensed location from the position sensor, or a previously calculated position from a prior

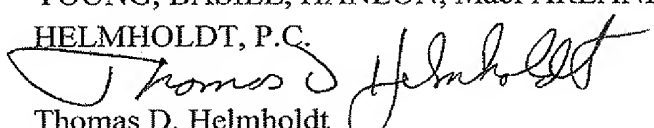
movement calculation), and the pressure sensors are monitored by the control program to determine when the calculated position is reached (See Figure 2). It is submitted that the amendments to claim 1, 10, and 19 are supported by the original specification and overcome the 35 U.S.C. §112, 1st ¶ rejection raised by the Examiner. Reconsideration of the Examiner's rejection is requested.

Claim 29 stands rejected under 35 U.S.C. §112, 2nd ¶ as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 29 has been carefully review and amended to provide proper antecedent basis for the elements recited in the claim. Reconsideration of the Examiner's rejection is requested.

It is respectfully submitted that this Amendment traverses and overcomes all of the Examiner's objections and rejections to the application as originally filed. It is further submitted that this Amendment has antecedent basis in the application as originally filed, including the specification, claims and drawings, and that this Amendment does not add any new subject matter to the application. Reconsideration of the application as amended is requested. It is respectfully submitted that this Amendment places the application in suitable condition for allowance; notice of which is requested.

If the Examiner feels that prosecution of the present application can be expedited by way of an Examiner's amendment, the Examiner is invited to contact the Applicant's attorney at the telephone number listed below.

Respectfully submitted,
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